

# NUCLEAR DIVISION NEWS

a newspaper for employees of the nuclear division • union carbide corporation

UNION  
CARBIDE

Vol. 9/No. 11, May 25, 1978

## U.S. Bonds—'I believe in my country's integrity'

Nuclear Division employees are in the midst of another U.S. Bond campaign. Payroll deductions, an effortless way of saving money for a myriad of reasons, have been popular among employees since they started. At random throughout the four plants, employees gave many reasons for participating in bond buying. Most of the reasoning boiled down to "if I don't see money I save, it won't be spent."

**Clifton Melton**, Guard Department at ORGDP, says "I have a two-year-old daughter, and I started buying a \$25 bond each month for her. This is a savings plan—later she will have the money available for an education."

\*\*\*

"Everyone should buy bonds," says **Eliza Robinson**, ORGDP Transportation Department. "I bought bonds when I first came to work here in 1972. I had to drop out last year, but I plan to resume very soon. Buying bonds is a good way to save money for future needs—they will help my two daughters."

\*\*\*

**Charlene Dawes**, divisional secretary in Cascade Operations at the Paducah Plant, says "I began purchasing bonds in 1953 through the payroll savings plan, for my daughter's college education. As it turned out she completed her master's degree without having to use them, so I decided to hold them to supplement my retirement income."

"I think bonds are an extremely good means of saving, for several reasons. They aren't as readily accessible as some savings plans because you tend to buy them and forget them. They're also an easy way to save without straining your pocketbook."

**Jo Ferguson**, ORGDP Mail Services Department, says, "It is a good way to save money. You don't realize you are saving, since it is automatically deducted. But the money is there for the day you will need it. I have been buying bonds for about 15 years and I believe it is a good way to plan for my retirement."

\*\*\*

"It's going for our daughter's education, and they have really begun to build up," says **Lynn Eason**, a secretary in Y-12's Superintendents Division. "Kimberly Sha really enjoys getting the mail (her bonds) and she thinks it's really grown-up to have her own social security number. She has started to recognize her name and is proud of her bonds." Lynn and Hoyt (he joined Y-12's Quality Assurance recently) live at 154 Athens Road, Oak Ridge.

\*\*\*

"Retirement security," is how **C. R. Lively**, Y-12 Guard Department, looks at savings bonds. "I have been buying one a month for eight or ten years, and they really add up. Too, if you don't cash them until after you retire, there is the tax break on interest earned. You have to look into things like that when you plan your retirement." Lively has been on the guard force since 1944.



**Bill T. Kraemer**, a process engineer in Paducah's Uranium Control Department, has been buying a bond a month for the past eight years through the payroll savings plan. "I feel the tax deferral option is very appealing, as well as the added income upon retirement," Kraemer says. "It's so easy to save it when you don't ever see it—and it's a good habit that's easy to continue."

\*\*\*

"It's one of the most secure savings plans I can imagine—if the government ever goes bankrupt, we'll all be in trouble!" says **Harold D. Hargan**, of the Paducah Plant's Chemical Processing Department. "I've always felt that you're more likely to hold bonds in comparison to getting ready cash from other savings plans. I'm presently planning to double my savings bond deduction, since I have a son nearing college age."

**Jo Ferguson**,  
ORGDP Mail Services

**Calvin Lunsford** of Y-12's Research Services finds bonds an excellent way to save. "I believe in this country, too," he adds, "believe in it enough to trust my savings in its integrity."

\*\*\*

**Trula Howerton**, secretary in the Public Relations Department of ORNL, feels that payroll deductions make buying savings bonds easy. "Besides, it's a concrete way of showing support for my country."

\*\*\*

**Christine Goodman**, secretary in the ORNL Physics Division, buys bonds because it's a painless way to save. "For some reason, I'm more prone to take money from my savings or checking account than to cash one of my bonds."

2059-78

## First presidential visit. . .



**SEES FACILITIES**—President Jimmy Carter visited facilities at ORNL and ORGDP May 22, becoming the first president to visit Oak Ridge, even though predecessors had visited before being elevated to the White House. Roger F. Hibbs, President of the Nuclear Division, welcomes him as his tour begins.

### In this issue . . . .

Family Day, May 6, was just that. . . as hundreds of employees brought their families in to see the exciting work we are involved in. Particularly prominent were bright-eyed youngsters, such as the lass to the right. Other pictures are on pages 4 and 5.

Other features:

- Question Box..... page 2
- Promotions..... page 3
- Medicine Chest..... page 6

#### NOTE

A SPECIAL SOUVENIR EDITION OF **NUCLEAR DIVISION NEWS** WILL BE MAILED ALL EMPLOYEES NEXT WEEK, SHOWING HIGHLIGHTS OF PRESIDENT CARTER'S HISTORIC VISIT.





## question box...

If you have questions on company policy, write the Editor, **Nuclear Division News** (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

### Clerk vs. record clerk

**QUESTION:** There are two people working in the same department here—one is a clerk and one a record clerk. The clerk has been here two and one-half years more than the record clerk, yet earns considerably less pay. Why?

**ANSWER:** Two things would contribute to the kind of situation you describe. In the first place, the record clerk job is rated one grade higher than the clerk's job. Secondly, it would appear that there is a difference in the performance level of the two individuals.

This column is intended primarily to answer questions of general interest. It cannot resolve individual problems, particularly where there is anonymity and where all the facts are not known.

### Parking lot benches

**QUESTION:** Why not put benches in the sheds for people to sit on when waiting on ride pools?

**ANSWER:** All installations except ORGDP have had benches in shelters

which would be used by those waiting for carpools. As a result of your question, benches have also been placed in such sheds at ORGDP.

### Print identification

**QUESTION:** For each piece of electrical controlled equipment installed, there is a print with a number on it showing how the equipment was installed, etc. Why can't some method be devised to put on the panel of a particular piece of equipment, when it is installed, the file key to the print? This would facilitate locating the print when repairs or alterations are necessary.

**ANSWER:** There is an established practice of providing drawing identification on instrument and electrical control panels at all three Oak Ridge plants. The principal method used is to include a drawing or drawing series number on each photometal panel, chassis and printed circuit board used in the assembly of control panels. The identification number is the file key for drawing retrieval. However, there has not been a standardized

procedure; consequently, identification techniques and application have varied from site to site and from job to job.

This suggestion has been helpful and its contributor is to be commended. The suggestion has resulted in a commitment to the development of a more standardized and uniformly applied identification scheme. We should all be reminded, however, that such information is intended to be utilized only by qualified personnel, and that no unauthorized repairs or alterations should be undertaken, whether or not drawings are available.

### 'Mixed' softball teams

**QUESTION:** Has the Recreation Office firmly decided that the requirements for the mixed softball league will stay at seven males and three females? What would be the problem in instituting the more equitable arrangement of five males and five females?

**ANSWER:** Some teams have found it difficult to recruit more than three women who want to play softball. With the present distribution, more teams are able to participate in the mixed softball league. The softball rules have been established for the current season, but the Recreation Office is perfectly willing to change them in the future if the same level of participation can be maintained.

### Military time credit

**QUESTION:** Has Union Carbide ever considered allowing company service credit for employees having wartime military service? The

Company does grant such credit for employees who enter the military directly from Carbide, but it would seem equitable that patriotic persons who put their life on the line to protect our way of life would receive some such credit therefor. Those years are lost for pension purposes unless one is a government employee. Could this be examined?

**ANSWER:** Union Carbide's absence, pay and Company service policies presently far exceed the minimum legal requirements for military service. Yes, an employee who enters military service and is later reinstated does receive Company service credit if reinstatement occurs immediately following discharge from service and within certain limits of total absence. The Company recognizes a moral obligation to its employees and the country. The Company does not accept any obligation for those not in its employment at the time of service, and realistically so. In reality, military service (regular, reserve, etc.) is alternate employment with its own salary, pension and other benefit programs, for which this Company has no responsibility or authority.

## anniversaries...

### ORNL

35 YEARS



Lee

Neill

**DeWayne A. Lee**, a chemist in ORNL's Analytical Chemistry Division, joined Tennessee Eastman on June 10, 1943, at Berkeley, Calif. After three months Lee came to Oak Ridge, where he was assigned to the Y-12 Plant.

Lee worked at Y-12 for 18 years, before transferring to ORNL in 1961. He spent 32 of his 35 years in the Chemistry Division, having joined Analytical Chemistry in 1975.

A native of Pelican Rapids, Minn., Lee holds a B.A. degree from Concordia College and is a member of the American Chemical Society.

Lee and his wife, Doris, live at Route 22, Alkison Lane, Knoxville. They have three children: Karen, Paul and Jonathan.

**Frank H. Neill**, director of ORNL's Quality Assurance and Inspection Department, since 1971, joined

Tennessee Eastman in June, 1943, assigned to the Y-12 area. From 1943 to 1949, Neill worked on the Y-12 electromagnetic and calutron processes, and in 1949 he was assigned to a group developing the first cyclotron at ORNL. From 1953 to 1959, Neill worked with the package reactor group, the Oak Ridge School of Reactor Technology, Oak Ridge Operations and Union Carbide in developing reactor requirements. He then worked with gas-cooled reactors until 1969, when he joined the Quality Assurance Program.

Neill, a graduate of the University of California, is a licensed professional engineer in both Tennessee and California. He and his wife, Erna, live at 203 Englewood Lane, Oak Ridge. They have two children, Richard and Barbara.

### 30 YEARS

**William W. Walden**, Plant and Equipment; **John A. Martin**, Physics; **Vernon G. Moore**, Engineering; **Glenn L. McNabb**, Biology; **Margaret L. Castleberry**, Laboratory Protection; **William L. Dunaway**, Plant and Equipment; **Kenneth S. Lyle**, Plant and Equipment; and **Edward B. Wagner**, Health and Safety Research.

### 25 YEARS

**Harry L. Yakel Jr.**, **Frank Sluss Jr.**, **Bruce A. Hannaford**, **Malcolm L. Randolph**, **Alfred W. Freels**, **John E. Jackson**, **Andrew B. Thornton**, **Max K.**

**Preston Jr.**, **William G. Wilson** and **Earl E. Breazeale**.

### 20 YEARS

**Herman E. Zittel**, **Howard M. Poly**, **William M. Brown**, **Donald D. Bates** and **John A. Whitehead**.

### Y-12 PLANT

### 30 YEARS

**Ray Gregory**, Alpha Five North Shop; **Jack B. Henry**, Process Maintenance; **Dorothy H. Conner**, Plant Records; and **Obie Young**, General Shops.

(Please see page 8)



**HONORS DAY**—Newly certified professional engineers and engineering technicians were awarded plaques by **Clyde C. Hopkins** during a recent ceremony at the Paducah Plant. Also present were the recipients' supervisors. In the back row, from left, are **Jimmy C. Massey**, **Phil B. Paschal**, **Richard R. Veazey**, **Ron D. Smith**, **Jim E. Dew**, **Byron A. Kress**, **Robert L. Echols**, **David Massey**, **Lloyd W. Jenkins**, **Paul R. James**, **Dan H. Stitt** and **Edward J. Bazzell**; front row, from left, **Tom N. Herrold**, **Harold A. Hook**, **Richard A. Green**, **James R. Gooch**, **Steve R. Vanleer**, **Roland G. Siegfried**, **Ronald K. Williams** and **Dave H. Dummer Jr.**

## NUCLEAR DIVISION NEWS

UNION CARBIDE CORPORATION  
NUCLEAR DIVISION  
Office  
Post Office Box Y  
Oak Ridge, Tenn. 37830

### EDITOR

**James A. Young**, Ext. 3-7100

### ASSOCIATE EDITOR

**Karen L. Cromer**, Ext. 3-6266

### ORGDP

**Ira N. Kaplan**, Ext. 3-9724

### PADUCAH

**Darlene McPherson**, Bell 208

Member,  
INTERNATIONAL  
ASSOCIATION  
OF BUSINESS  
COMMUNICATORS







## Longee joins centrifuge staff

Howard Longee, of the Garrett Corporation, AiResearch Division, Phoenix, Ariz., has been named supervisor of systems requirements section for the Operating Contractors Project Office for the Portsmouth (Ohio) Gas Centrifuge Enrichment Plant. The office, located in Oak Ridge, is operated by the Nuclear Division.

In his new position, Longee will report to Don W. Burton, manager of systems engineering and analysis.

The Project Office, with personnel located both in Oak Ridge and in Portsmouth, will have the lead role for managing and/or coordinating the project's requirements for technology development, design definition, systems analysis and procurement of special equipment. It will serve as the operating contractors' contact point for the Department of Energy's Oak Ridge Operations Office, which has overall responsibility for the multi-billion-dollar uranium enrichment plant near Portsmouth.

The office is being staffed with personnel from Union Carbide,

## Two technical assistants named

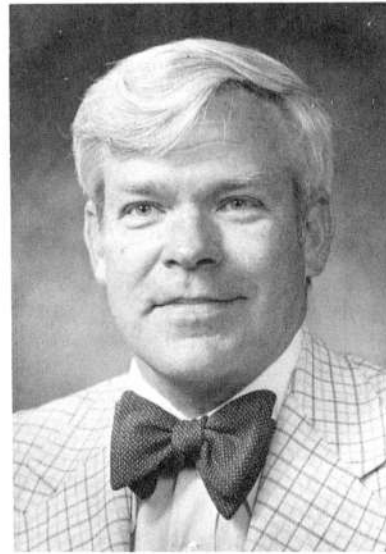
John C. Moyers and Roy E. Thoma have been appointed technical assistants in the Central Management Offices at ORNL.

Moyers will assist Murray W. Rosenthal, associate director for Advanced Energy Systems, in administering activities in the Laboratory's non-nuclear energy areas. These include fusion, solar, geothermal and fossil energy alternatives, as well as energy conservation.

Moyers received his bachelor's and master's degrees in mechanical engineering from the University of Tennessee and Columbia University, respectively. He joined the ORNL staff in 1956 after serving for three years in the U.S. Air Force.

During his earlier years at the Laboratory, Moyers did experimental engineering work in several reactor programs and the Middle East Study Project. He has been involved in energy conservation research since 1970, and was head of the conservation technology group, Energy Conservation Section of the Energy Division, prior to his current appointment.

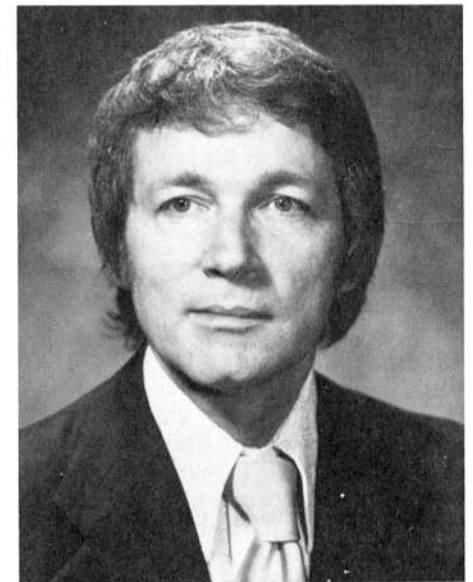
Thoma will work with Frank R. Bruce, associate director for Admini-



John C. Moyers

stration, whose responsibilities include the Laboratory's employee relations, health, plant and personnel protection, industrial safety and technology transfer activities.

Since 1971, Thoma has served as task group leader in the Energy Division, with responsibility for preparing environmental impact statements related to applications for license of Offshore Power Systems for



Roy E. Thoma

the Nuclear Regulatory Commission.

Thoma received his master's degree in chemistry from the University of Texas and has completed most of the requirements for the doctorate degree. He served in the U.S. Navy and taught chemistry at Texas Technology University and Sam Houston State College before joining the ORNL staff in 1952.

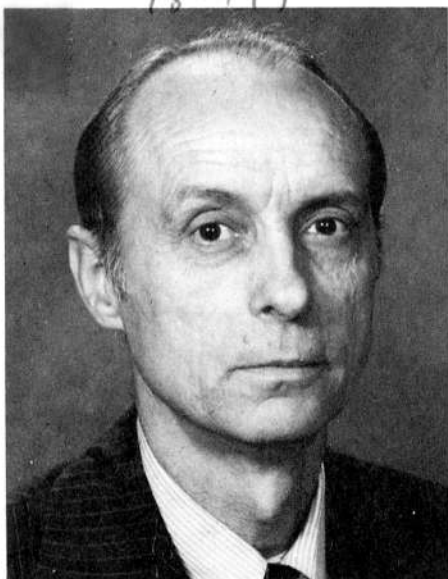
Goodyear Atomic Corporation and AiResearch.

Longee has been with AiResearch for the past 12 years and has been involved with advanced control systems, systems integration and development of a space power dynamic conversion system.

Before joining AiResearch, Longee was with Atomic International. He was graduated from Southern Methodist University with a bachelor's degree in electrical engineering.

Longee, his wife, Evelyn, and three children, Jeff, Janie and Joel, plan to move to the Oak Ridge area in the near future.

## Dodson heads Development



William H. Dodson

The appointment of William H. Dodson as director of the Development Division at the Y-12 Plant has been announced by William J. Wilcox Jr., technical director for the Nuclear Division.

Dodson succeeds William R. Martin, who has accepted a position

as vice president and board member of Materials Research Corporation, Orangeburg, N.Y.

For the past 10 years, Dodson has served as superintendent of the metallurgy department of the Development Division.

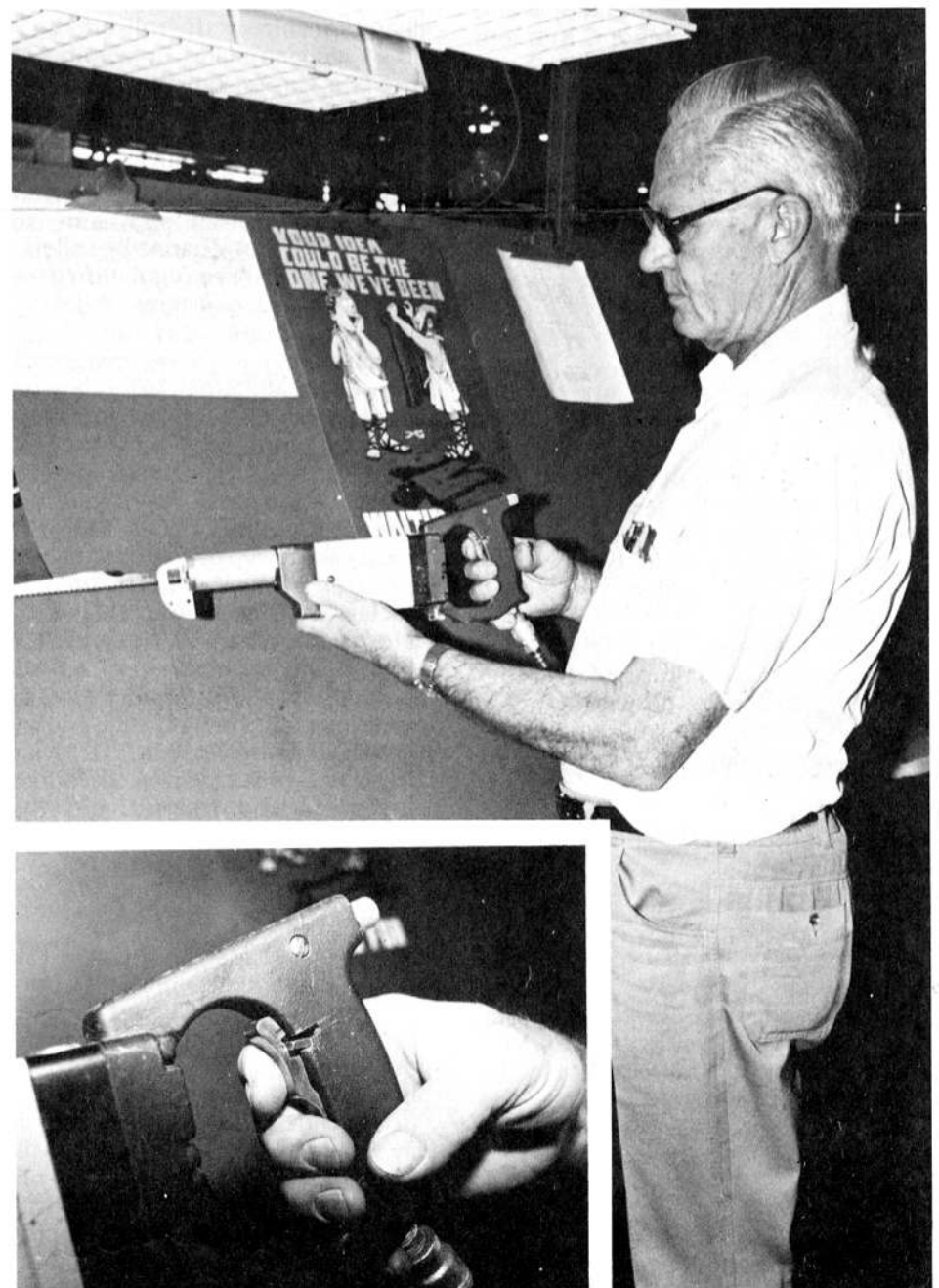
A native of Crockett County, Tenn., Dodson received his bachelor of science degree in chemical engineering from the University of Tennessee in 1950. He joined Union Carbide in 1950 as a member of Y-12's radiographic laboratory staff. In 1957, he transferred to the Development Division and, in 1968, was named superintendent of the metallurgy department.

He is a member of the American Society for Metals.

Dodson is married to the former Elsie Taylor, and they have four children, Richard, Gary, Melanie and David. The Dodsons live at 5304 Yosemite Trail, Knoxville.

next issue. . .

The next issue will be dated June 8. The deadline is May 31.



**DESIGNS SAFEGUARD**—Wilson Davis, Machine Shop foreman at PGDP, recently made a personal contribution to the plant's on-the-job safety program by designing and engineering a positive safety lock for an air saw to be used to remove converter tubing. The inset at lower left shows a closeup of the safety lock, which had to be implemented before the Safety Department could approve the saw. Davis has been at PGDP for 26 years and resides on Benton Road, Paducah.



## recreationotes . . .

### 'A' Shift tells rodeo winners

The "A" Shift Rec. Dept. held their third fishing rodeo April 18 at Bayside boat dock on Watts Bar Lake. Approximately 118 people participated.

"A" SHIFT FISHING RODEO WINNERS					
LARGEMOUTH	lbs.	ozs.	Length	Girth	PRIZE
1. T. L. Taylor	6	—	23 3/4	14 1/2	5500c reel
2. R. A. Cooper	3	15	18 3/4	12 1/2	Graphite 96 rod
3. C. S. Murr	3	10	18 3/4	12 1/2	Tangle proof net
SMALLMOUTH	lbs.	ozs.	Length	Girth	PRIZE
1. P. E. Roger	1	12	15	9 3/4	5500c reel
2. R. M. Walton	1	8	14 1/2	9	Graphite 96 rod
3. S. E. McGhee	1	8	14	9 3/4	Tangle proof net
CRAPPIE	lbs.	ozs.	Length	Girth	PRIZE
1. J. Parham	1	6	13 3/4	10 3/4	4500c reel
2. C. R. Anderson	1	5	12 3/4	10 3/4	Graphite 96 rod
3. R. L. Anderson	1	3	12 1/2	10 3/4	Tangle proof net
ROUGH FISH (Channel Cat)	lbs.	ozs.	Length	Girth	PRIZE
R. Prater	3	—	20	10	2500c reel
SMALLEST FISH (Red Eye)	lbs.	ozs.	Length	Girth	PRIZE
E. Montouth	—	1/4	3 1/2	2 3/4	Three plugs
DOOR PRIZE WINNER	Steven M. Flower				
	Super 60 Depth Finder				
DOCK PRIZE WINNER	Gary C. Spradlen				
	Electric Trolling Motor				

### PGDP fishing winners announced

The first category winners in the Paducah Plant 1978 Fishing Contest weighed in recently to capture six prizes in the contests for crappie and bass. In the bass category, Kenneth Wallace snatched the overall prize with a 7 lb. bass, followed by Gene Brown with a 5 1/4 lb. fish. Paul Smith ranked third in the competition, snaring a 4 lb. 11 oz. bass—placing D. L. Stokes in fourth place with his even 4-pounder. J. D. Turner took the fifth place slot with a weight of 2 lb. 11 oz. and Tim Wadlington filled out the winners with his 2 lb. 8 oz. catch.

In the crappie realm, R. L. Hines recorded a 2 lb. 8 oz. win over Dwight Peyton's 2 lb. 5 oz. fish. P. W. Champion placed third in the crappie contest with a 2 lb. 2 1/3 oz. catch and E. N. Krinard took fourth place honors with his 2 lb. 2 oz. entry. Mike Baker pulled in a 2 lb. crappie for fifth place and Gary Thompson took the sixth place prize with a 1 lb. 14 oz. entry.

Current categories include the Annual—March 1 through October 31; Crappie—April 16 through May 30; Spoonbill—May 1 through June 30 and Bream—May 15 through June 30.

### South Hills. . .

This league has been divided into two groups, which play on Mondays and Thursdays. The team consisting of Harold Alvey, Mac Wright, Charlie Baxter, and Jack Gresham now leads the Monday League after three weeks of play. The Thursday league is led by the team consisting of Clay Smith and Jack Cornett, followed by Jerry Greer, and Leonard Nance for second.

### K-25 A-Shift league plans summer bowling

All interested Nuclear Division employees and spouses are invited to bowl on Tuesdays at Tri-County Lanes in Oliver Springs. This summer league began May 16 at 9 a.m. Anyone interested in bowling this summer, contact Stephanie Livesey at 3-9285.

### Western Plaza Mixed. . .

The Western Plaza Mixed winter league ended with a bang. The Hi-Lo's won the second half to earn the right to face the first half winners, the Four Eagles, in a roll-off for the championship. In the roll-off, the Hi-Lo's took command by winning the first two games, but the Four Eagles staged a late game rally to come back and win the third game plus total pins. The 2-2 tie meant a 10th frame roll-off would have to be rolled to determine the winner. That ended in a tie, so a second 10th frame had to be rolled. In the end, after three regulation games and a double overtime, the FOUR EAGLES came out as league champions by a narrow margin of 4 pins. Congratulations to both teams!

### PGDP swimming. . .

Applications will be taken until June 7 for the PGDP Swimming Program. Application forms appeared in the April 27 issue of the **Nuclear Division News**.

Instruction begins Saturday, June 10, and will be held every Saturday (except July 8) until August 12. Open swimming will be held each of these Saturdays from 10:30 to 11:30 a.m. The program is open to all Paducah employees and retirees and their families.

### PGDP golf. . .

Paducah's May scramble at the Lake Barclay-Boots Randolph Golf Course was unseasonably plagued by wind, rain and cold, but 52 committed golfers took to the tees for 18 damp holes and 104 soggy feet.

The winded and wet winners of the day's field were led by Capt. Mike Mazzone and included Vernon Brown, Bill Longton, Bobby Gifford and Manley Fortune. The champions shot a slushy 5 under par. Elvin Kuehn directed his team of John Stearns, C. E. Green, Dale Miles and Gene Waggoner to the number two slot with a 2 under par. The third place team was captained by Harry Colbert and supported by Bill Griggs. Norma Smith and Rumsey Houser, also at 2 under.



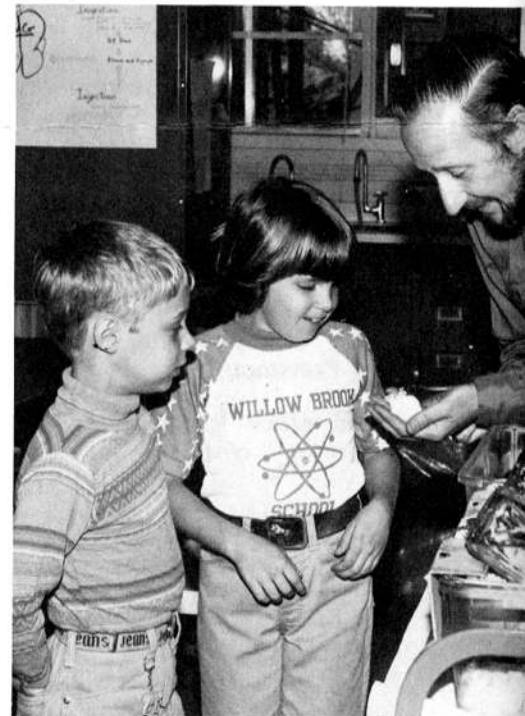
Robot "R3D3," Physics Division highlight

### Sunny skies bring crowds. . .

## ORNL Family Day attracts more than 4000



Industrial Hygiene



Biology Division



Picnicking at Fusion





Computers at Y-12



"Hot Cells"



Aquatic Ecology Laboratory

## 'A player sometimes goes in lake after a fly ball'

By Earl Nall

Another softball season is here and the Union Carbide Recreation League is in its first month of competition. For many teams, however, this is the "second season," the first one was in March and April when the competition was not on the field, but rather in a race to get a field for practicing. All area fields were booked solid during these pre-season months.

Foremost among the pre-season field shuffle were the two fields at Clark Center Recreation Park, where 60 teams are competing in two leagues this year. Bill Maddux, Union Carbide recreation director, swears that "all 60 teams called on the same day to reserve the same field at the same time!"

Sometimes even reserving a field doesn't guarantee a lot of practice time. Last year one team, the Fes-Kids, had 39 players show up for a practice game while their opposition had a mere 19. All this for one hour's practice!

Our team, however, doesn't have to compete for a practice field. The Snakes hold their spring drills near Kingston on a rolling lakeside meadow behind the house of Bob Culton, Y-12 Statistical Services Department. This enables us to practice when we want and for as long as we want. Sounds great, but there are some hazards, such as being attacked by a pack of wild dogs, run over by a tractor or run down by a go-cart. Occasionally a player even disappears into the lake shagging a fly ball.

The Snakes usually survive the spring and come out ready to play. Generally, we play well, as testified by our record of 142 wins and nine losses since our first season as a team in 1969. We shared the regular season championship in 1970, 1972, 1973 and 1975; and won the league outright in 1974, 1976 and 1977. Our current winning streak of 42 games spans a two-season period.

Only three players remain from that original 1969 team: Culton and

Horace Moorman, Y-12 Statistical Services; and me.

Many memorable moments stand out in our team's history, most coming after the Carbide leagues merged and began playing at Clark Center in 1972. In one game during that 1972 season the Snakes hit 21 homers in a five-inning game.

Another game in 1974 against the Red Barons was played in a downpour of rain. Only seven Snake players braved the rain to play. Thus, there were a lot of places for the Barons to hit the ball—18 runs worth of places to be exact. Fortunately, the Snakes scored 19. At one point during the game a player was on third base and due to bat next!

Whether or not the Snakes can continue their winning streak during the 1978 season remains to be seen. But, win or lose, this year's edition of the Snakes will be playing with most of the team members we've had since 1972: Marvin Anderson, Calvin Angel, Harold Conner, Bob Culton, Arnold Hawkins, Horace Miller, Horace Moorman, Earl Nall, Ron Sharp, Richard Tate, Gerald Scott, Vaughan Thomas, Joe Greenlee and Neal Nolan.

## division deaths...

Harry E. Seagren, superintendent of ORNL's Plant and Equipment Division died May 11, at his home, 7809 Sheffield Drive, Knoxville.

Mr. Seagren joined Clinton Laboratories (now ORNL) in 1947 as a pile shift supervisor and has served in numerous other positions, including Laboratory shift supervisor, and superintendent of the following divisions: Operations, Isotopes, and Engineering and Mechanical.

He was a member of the American Institute of Chemical Engineers and the American Institute of Plant Engineers (AIPE). In 1973 he received the "Plant Engineer of the Year Award" from the Knoxville AIPE chapter.

Survivors include: his wife, Ruth; daughters, Linda and Christine; and son, Russell.



Mr. Seagren

Alva M. Baker, Computer Sciences Division at ORGDP, died May 8 at the Oak Ridge Hospital. He joined the Nuclear Division in 1963 at Y-12, transferring to ORNL in 1964 and to his present job in 1977.

He was a veteran of the U.S. Army.

Survivors include his wife, Patsy G. Baker; a brother, Delbert Baker; and an aunt and uncle, who raised him, Mr. and Mrs. T. L. Ridenour.

The funeral was held at the Holley-Gamble Chapel, Clinton, with burial in the Oak Ridge Memorial Park.



Mr. Baker

## PGDP softball...

The 1978 season went into full swing on May 10 at the Stuart Nelson Park in Paducah. Any interested player can still sign up before July 15 by contacting Homer Chandler or Steve Skaggs.

The season's schedule is as follows: May 15, 7:30 p.m.; May 18, 6:30; May 23, 7:30; May 30, 6:30; June 1, 7:30; June 6, 6:30; June 12, 6:30; June 15, 6:30; June 21, 6:30; June 27, 6:30; July 3, 6:30; July 10, 6:30; July 18, 8:30; July 24, 7:30; July 26, 8:30; July 27, 8:30; August 2, 7:30; August 7, 7:30; August 10, 7:30; and August 18, 6:30.

## Holiday Monday

Memorial Day, Monday, May 29, is an official holiday for Nuclear Division employees, as the nation pays tribute to those who gave their life in defense of democracy.

No employee is required to be at work unless his/her presence is required by continuous operations or plant security.



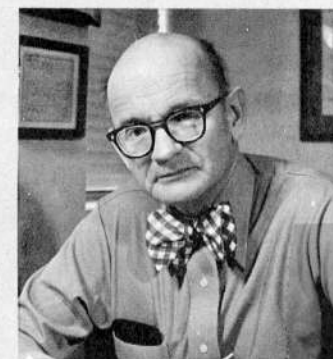


**CLEAN-UP TEAM**—"Clean-Up Gr-r-reat in '78" is the slogan for this year's Paducah Spring Clean-Up Campaign. Preliminary inspections within each division have been conducted, and a final inspection is scheduled to determine five areas exhibiting outstanding clean-up efforts. This year's plant committee consists of, from left, Dave Stansberry, Jerry Adams, Ken Carpenter (chairman), Howard Ross, John Horntrop, Darlene McPherson, Kay Dabney, David Drury and Dale Melugin.

## medicine chest...

# Bladder infection

by T. A. Lincoln, M.D.



(Editor's Note: Dr. Lincoln alternates his regular column with "Medicine Chest," where he answers questions from employees concerning health matters. Questions are handled in strict confidence, as they are handled in our "Question Box." Address your question to "Medicine Chest," Nuclear Division News, Building 9704-2, Mail Stop 20, or call the news editor in your plant.)

**QUESTION:** "I've been wondering if you could help me in finding a cure for my problem that I've had about four years. I have bladder infections. I suffer a great deal with them as it's very painful, and I urinate quite often, on the average of every hour."

**ANSWER:** Lower urinary tract infections are common in both men and women. They generally increase in frequency after the menopause in women and after age 50 in men. The most common symptoms are urgency (a sudden urgent need to void), frequency (having to void often) and dysuria (pain during voiding). Many infections produce minimal or no symptoms. Some can cause fever, chills, nausea, and vomiting and generalized aching.

When these infections occur in children, they should be promptly investigated since they may be the result of a congenital defect which, if not corrected, could cause serious problems later on. Bladder infections in men may be related to infections in the prostate gland or to enlargement of the prostate. Some urologists recommend a careful urological evaluation after the first infection in men over age 50. Certainly if the problem is recurrent at any age, an evaluation is absolutely necessary.

Bladder infections are much more common in women. Frequently, they are a single episode and respond quickly to treatment with an antibiotic. Too often, however, they are recurrent. They are more common in those who have had one or several children. They are more likely to occur following the menopause. After two or three infections during a one-year period or less, a careful urological evaluation is advisable.

The reasons why women are plagued with bladder infections are complex. Probably the most obvious reason is the short female urethra (the tube which leads from the bladder to the external opening). It is relatively straight and located in an area that is subject to bacterial contamination for a number of reasons.

In women, it is probable that some infections are caused by bacteria which travel up the urethra into the bladder. Except for gonorrhea, such an ascending course for male bladder infections rarely occurs. In both men and women, many infections result from bacteria brought to the bladder in the blood. The bacteria "take hold" and start multiplying because there is some local abnormality which predisposes the person to infection. The most common problem is some acquired anatomical or functional

disturbance in the proper drainage of the bladder during voiding. Anytime urine remains stagnant in the bladder, it provides an ideal culture medium for bacteria which get to it.

Urinary infections have been associated with sexual intercourse (the "honeymoon cystitis"), lack of cleanliness or at least improper cleansing after defecation or following a menstrual period. These factors may contribute to the cause in some infections, but it is likely that anatomical factors are much more important. Also, some women may have a special vulnerability due to hormone imbalance or to, as yet, poorly understood tissue resistance factors.

In all urinary infections—in both men and women—it is of great importance to determine what the infecting organism is. Once determined, the most effective antibiotic can then be prescribed.

In individuals who have recurrent infections, even though no correctable anatomical or functional defect can be found, it is usually possible to prevent future infections by taking low dosages of antibiotics over a prolonged period.

When an acute infection has been eradicated with the proper antibiotic administered over a long enough period (usually seven to ten days), the patient then is often started on trimethoprim-sulfamethoxazole or nitrofurantoin. These two antibiotics are best because they are least likely to cause emergence of resistant bacteria after prolonged use.

One-half tablet of trimethoprim-sulfamethoxazole or one 50-milligram tablet of nitrofurantoin can be taken each day for prolonged periods with minimal hazard of toxicity reactions. It is usually recommended that this low dosage be continued for at least three months and in some cases, it may be necessary to continue it almost indefinitely.

## retirements...



**William B. Asbury**  
Y-12 A-Wing  
Machine Shop  
10 years service



**Everett D. Clark**  
ORGDP Maintenance  
33 years service



**Truman H. Freeman**  
Employee Relations  
ORNL  
31 years



**James W. Young**  
Y-12 Product Engineering  
& Scheduling  
28 years service



**Robert M. Hetzler**  
Y-12 A-Wing  
Machine Shop  
24 years service



**James B. Hughes**  
Maintenance Engineering  
PGDP  
25 years service



**James V. Hurley**  
ORGDP Operations  
33 years service



**Charles H. McIntyre**  
ORGDP Operations  
33 years service



**William P. Rogers**  
ORGDP Maintenance  
28 years service



**Harold Woodby**  
Y-12 Research Services  
25 years service

Also:  
**Betty J. Butler**  
Y-12 Medical  
34 years service

## safety scoreboard

Time worked without a lost-time accident through May 18:

Paducah	300 Days	3,858,783 Man-Hours
ORGDP	42 Days	1,380,600 Man-Hours
Y-12 Plant	36 Days	1,092,000 Man-Hours
ORNL	123 Days	2,852,754 Man-Hours

## 'Spot bid' sale set

A "spot bid" sale of used government-owned office equipment and vehicles will be held at 9 a.m. Wednesday, June 7, at the powerhouse area in Building K-722, ORGDP. The equipment is available for inspection at the powerhouse from 8:10 a.m. until 4 p.m. weekdays and Saturdays (except Monday, May 29).

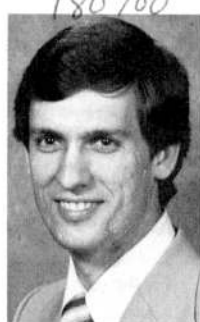
Additional information may be obtained from D. R. McCammon, extension 3-4601.



## Y-12 tells six promotions



Alley



Barton



Ford



McCormick



Sheehan



Tilley

Six promotions have been announced in the Y-12 Plant. Shirley O. Alley has been named a supervisor in Dispatching; Charles A. Barton a budgeting and accounting officer in Product Engineering and Scheduling; Benjamin A. Ford a supervisor in Maintenance; James T. McCormick Jr. a foreman in Dispatching; James R. Sheehan a process supervisor in Metal Preparation; and Clarence T. Tilley Jr. a dispatching foreman in Product Engineering and Scheduling.

Alley, a native of Little Rock, Ark., joined Union Carbide in 1963 at ORNL. She went with Abbott Laboratories in 1964, and returned to Y-12 in 1967. She is currently attending the University of Tennessee's evening school.

Alley lives at 20 Valley Forge Drive, Oak Ridge, with her two children, Shanda and Leisa.

Barton, a native of Maryville, has a B.S. from the University of Tennessee. He was employed at Creative Marble, Inc., before joining Union Carbide last year.

Married to the former Barbara St. Clair, he lives at 767 Hamilton Street, Alcoa.

Ford, a native of Knoxville, was in the first graduating class of the Training and Technology program at Y-12. He worked as an electrician for Myers and Whaley before joining Union Carbide in 1967.

Mrs. Ford is the former Rita Williams, and they live at 736 Lippencott Street, Knoxville. They have three children, Jeffrey, Melinda and Kevin.

McCormick, a native of Logan County, Ky., attended Tennessee

Technological University and Emory and Henry University before joining Union Carbide in 1970. He also worked with the Public Finance Corporation, Dayton, Ohio.

Mrs. McCormick is the former Patricia Melnick, and they live at Route 6, Clinton. They have four children, Chris, Mike, Sandy and Leslee.

Sheehan was born in Vonore. He joined Union Carbide as a reactor operator at ORNL, later transferring to Y-12. Previously he had worked with the Aluminum Company of America, Glidden Company and Moser's Paint Center in Maryville.

Mrs. Sheehan is the former Margaret Taylor, and they live at 133 Marshall Circle, Oak Ridge. They have three children, Rebecca, James and Robert.

Tilley is a native of Appalachia, Va. He attended East Tennessee State University, and joined Union Carbide in 1969. Before that time he was on active duty with the U.S. Army Reserve.

He and his wife, the former Melinda Gregory, live at 122 Greystone Drive, Oak Ridge, with their two children, Lisa and Wesley.



George Klody of National Electrostatics Corporation in Middleton, Wisc., stands in front of the large stainless steel terminal shell that will be set atop the 25-million volt electrostatic accelerator of ORNL's Holifield Heavy Ion Research Facility. The terminal, which measures 13 feet in diameter by 16 feet high, is part of the equipment to be delivered by the end of this year. The mirror-like finish on the shell is necessary to reduce the probability of sparks at these very high voltages. When completed in late 1979, the \$18 million Holifield Heavy Ion Research Facility will become this country's most advanced tool for studying the interaction of heavy, charged particles of matter. National Electrostatics Corporation is the sub-contractor building the accelerator.

## Four ORNL promotions



Benn



Welch



Woods



Stansberry

Four promotions have been announced at ORNL. James H. Woods and Jerome H. Benn Jr., have been promoted to maintenance supervisors in Plant and Equipment; Teddy E. Welch has been named reactor supervisor in Operations; and Charles T. Stansberry has been promoted to maintenance craft supervisor in Instrumentation and Controls.

Woods, a native of Sevier County, worked with Stowers Machinery in Knoxville before coming to Union Carbide in 1974. He and his wife, Nora, live at Route 3, Loudon, with their two children.

Benn was born in Knoxville and now lives at Route 3, Sweetwater, with his wife, Shirley. Employed with Union Carbide since 1962, he was a millwright in P&E until his recent promotion.

Welch, who has been with Union Carbide since 1951, has worked with

the ORNL guard force and as a nuclear reactor controller. He worked with Prudential Insurance Company before joining ORNL.

A native of Liberty Hill, Tenn., Welch and his wife, Jacqueline, live at 120 Inskip Road, Knoxville.

Stansberry, a Union Carbide employee for 18 years, previously worked for Vitro Weapons Services in Florida.

A Clinton native, he received his B.S. and M.S. degrees in industrial education from the University of Tennessee. Aside from his regular job-related duties, he is also responsible for coordinating educational efforts for the I&C instrument technicians.

Stansberry lives with his wife, Sue, and their three children at 55 Outer Drive, Oak Ridge.

## ORGDP promotes Johnson, Eve

Two promotions have been announced at ORGDP. Michael L. Johnson has been named chemical supervisor in the Operations Division and Joseph E. Eve was named a field quality representative in the Technical Services Division.

Johnson, a native of Pennington Gap, Va., has been with the Nuclear Division more than three years, serving as a chemical operator. Prior to joining ORGDP, he was employed by ORTEC in Oak Ridge.

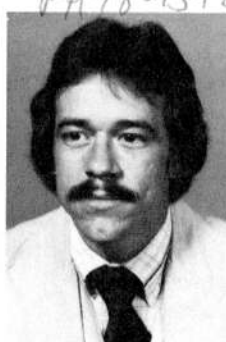
Johnson, who served with the National Guard for six years, lives at 89 California Avenue in Oak Ridge. He has one son, Jason Lee.

Eve, raised in Oak Ridge, holds a B.S. degree in business administration from the University of Tennessee. He has worked at ORGDP for seven years as a senior technician and before that worked at ORNL.

He and his wife, Donna, live at Route 38, Knoxville, with their daughter, Julie Anna.



Eve



Johnson

## patents granted...

To Richard G. Upton, ORNL, for "Digital Scale Converter."

To Chester S. Morgan, ORNL, for "Preparation of Cermets."

To Roy L. Shipp Jr., ORNL, for "Capacitance Densitometer for Flow Regime Identification."





**TAKE SAFETY ALONG**—This stark reminder of what can happen on a summer vacation currently greets ORGDP employees entering and leaving Portal 6. Placing the wrecked vehicle on display was the idea of John Hunt, May safety coordinator for ORGDP's Barrier Division.

"This puts a picture in a person's mind, and maybe a bell will ring when a driver is contemplating taking a chance," said Hunt. "If I can save one life, or save one person from injury, then I'll feel I have accomplished something."

Off-the-job safety is taken very seriously by Hunt and his co-workers. "As we plan our vacation activities, whether it be a long trip or just a relaxing week at home, safety should be included in the planning to prevent unpleasant experiences from spoiling our fun."

## anniversaries. . .

(Continued from page 2)

### Y-12 PLANT

#### 25 YEARS

Arthur D. Dean, Donald G. McAlister, William H. Miller, Alfred Duncan, Robert T. Guice, Roger L. McGinnis, William C. Crowe and Charles E. Robinson.

#### 20 YEARS

Glenwood L. Davis, Kathleen Walker, Thomas E. Douglass and Charles H. Flood.

### PADUCAH

#### 30 YEARS

John V. Scott, Maintenance Engineering; Lois M. McCann, Roads and Grounds; William R. Pedigo, Plant Engineering; and James F. Lansden, Cascade Operations.

#### 25 YEARS

George H. Taylor and Robert C. Shumpert.

### ORGDP

#### 30 YEARS

Willard Brown, Fabrication; Willard G. Norton, Operations Analysis; and Harley C. Orange Sr., Technical Services Division.

#### 25 YEARS

Hubert C. Webb, Guy V. Tucker Jr., Robert L. Ritter and Donald E. Tidwell.

#### 20 YEARS

Sue V. Denton and Bobby J. Ford.

## Patent granted. . .

To Ernest L. Long, Kenneth H. Valentine and Melvin G. Willey, all of ORNL, for "Nuclear Fuel Microsphere Gamma Analyzer."

## wanted. . .

### ORNL

**CAR POOL MEMBERS** from areas of West Outer, Waddell, Pennsylvania or Hillside, Oak Ridge, to East Portal, 8:15-4:45. Tom Burnett, plant phone 3-6939, home phone 483-1975.

**CAR POOL OR RIDE** for a summer faculty participant (early June to late August) from vicinity of Pennsylvania Avenue and Outer Drive, Oak Ridge, to East, North or West Portals straight days. E. Sonder or R. A. Weeks, plant phones 3-1736 and 3-6896, respectively.

**WILL JOIN CAR POOL** from 237 West Tennessee, Oak Ridge, to East Portal, 8:15-4:45 shift. Dave Williams, plant phone 3-6771, home phone 483-4429.

**FIFTH CAR POOL MEMBER** from West Knoxville area to South or West Portals, 8-4:30. Betty Hill, plant phone 3-6441, home phone 690-2962.

### Y-12 PLANT

**JOIN CAR POOL** from Lenoir City area to West Portal, G shift. F. L. Bledsoe, plant phone 3-5505, home phone 986-2600.

### ORGDP

**RIDE** from Powell area, to Portal 2, 7:45-4:15. Susan Beckham, plant phone 3-3293, home phone 947-7255.

**RIDE OR JOIN CAR POOL** from Washington Pike North Hills section of Knoxville, to any portal, straight days. J. W. Burchfield, plant phone 3-9350, home phone 525-0672.

**TWO RIDERS** wanted in a well-established van pool from Cumberland Estates, Knoxville, to any portal, day shift. Steve Shipley, plant phone 3-3661, home phone Knoxville 588-8660.

## Visit TECH project


Visiting hours at the Tennessee Energy Conservation in Housing (TECH) project are from 12 to 3 p.m. each Tuesday, Thursday and Sunday. The houses will **not** be open on Saturday after May 27.

TECH visitors will see an Annual Cycle Energy Systems (ACES) demonstration house, a solar energy house and a "control" house using an electric resistance heating system. Group tours can be arranged by contacting Gerry Troy, UT Environment Center 974-4251.

## Savings Plan-Personal Investment Account

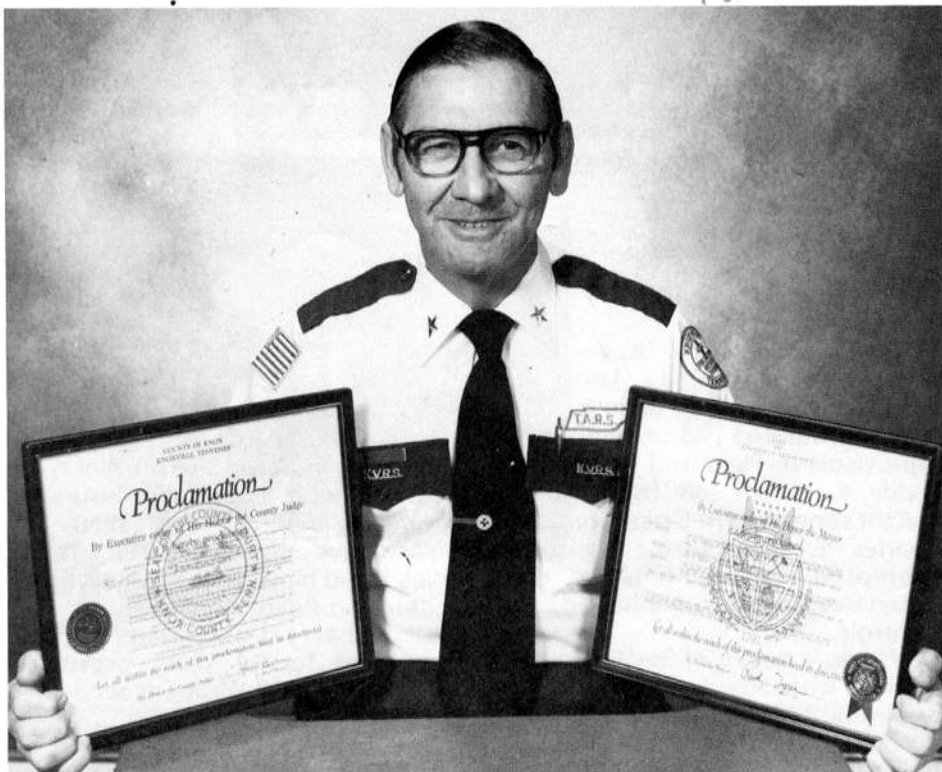
	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
February 78	14.4063	38.4966	7.5072
March 78	14.5090	39.4377	7.4310
April 78	14.6133	40.4596	8.2159

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 8.85% for 1978. Union Carbide stock values are the average cost of stock purchased during the month plus brokerage charges. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.



**UNION CARBIDE CORPORATION**  
NUCLEAR DIVISION  
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830  
**ADDRESS CORRECTION REQUESTED**

**BULK RATE**  
U.S. Postage  
**PAID**  
Union Carbide Corporation



**RESCUE SQUAD WEEK**—Y-12 machinist J. C. (Claude) Maples displays proclamations signed by Knoxville Mayor Randy Tyree and Knox County Judge Howard C. Bozeman, designating May 21-28 as Rescue Squad Week in Knoxville. Representatives from the Tennessee Association of Rescue Squads left Knoxville May 19 to organize and promote rescue squads in West Tennessee. Maples, a trustee of the Knoxville Volunteer Rescue Squad and state historian for the Tennessee Association of Rescue Squads, has been a Knoxville squadsman since 1957.